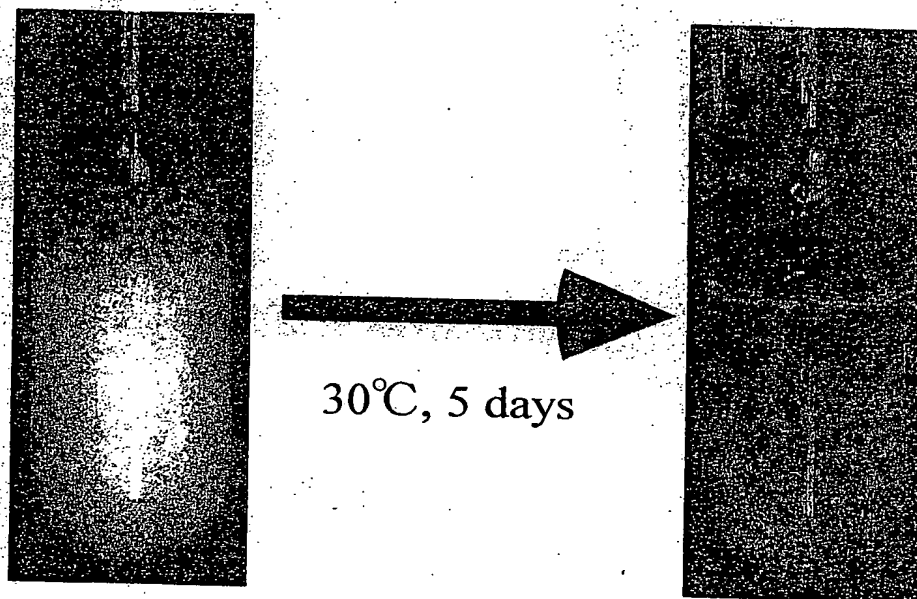
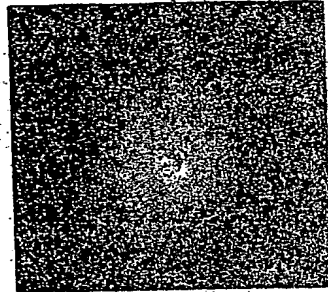


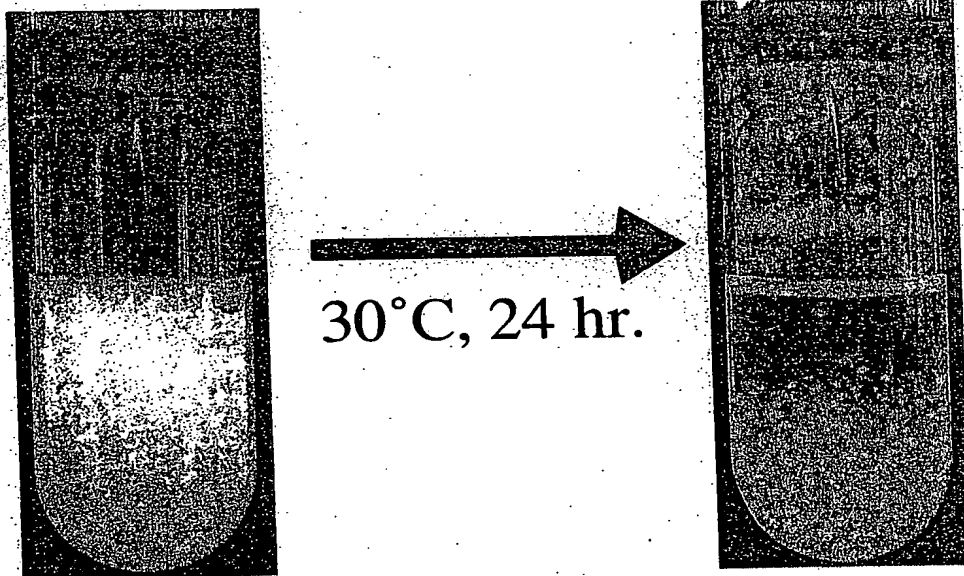
(A) Halo formation on PBS emulsion minimal agar medium



(B) Decrease in turbidity in PBS emulsion minimal liquid medium

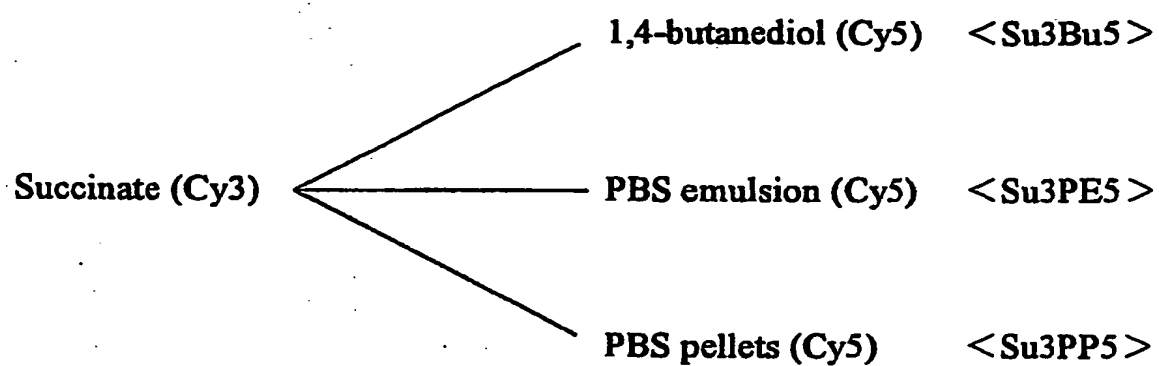


**(A) Halo formation on PLA emulsion minimal agar medium**

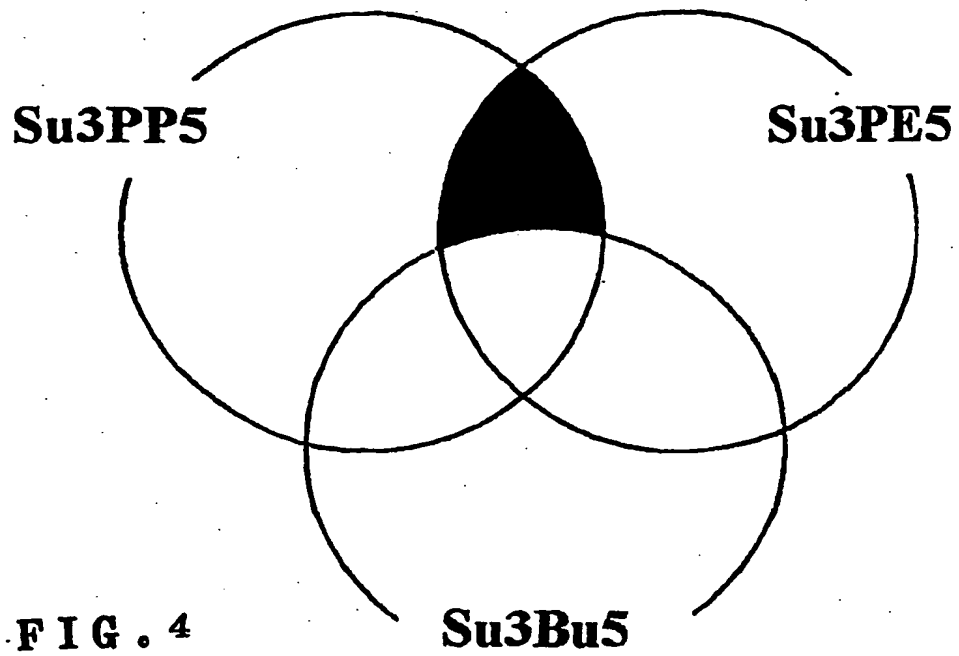


**(B) Decrease in turbidity in PLA emulsion minimal liquid medium**

**FIG. 2**



**FIG. 3**



**FIG. 4**







GENE	Su3PP5	Su3PE5	Su3Bu5
JZ3981 hydrophobin	 9.11	 18.0	 1.27
Histone	 0.86	 1.01	 1.03

FIG. 5

**FIG. 6**

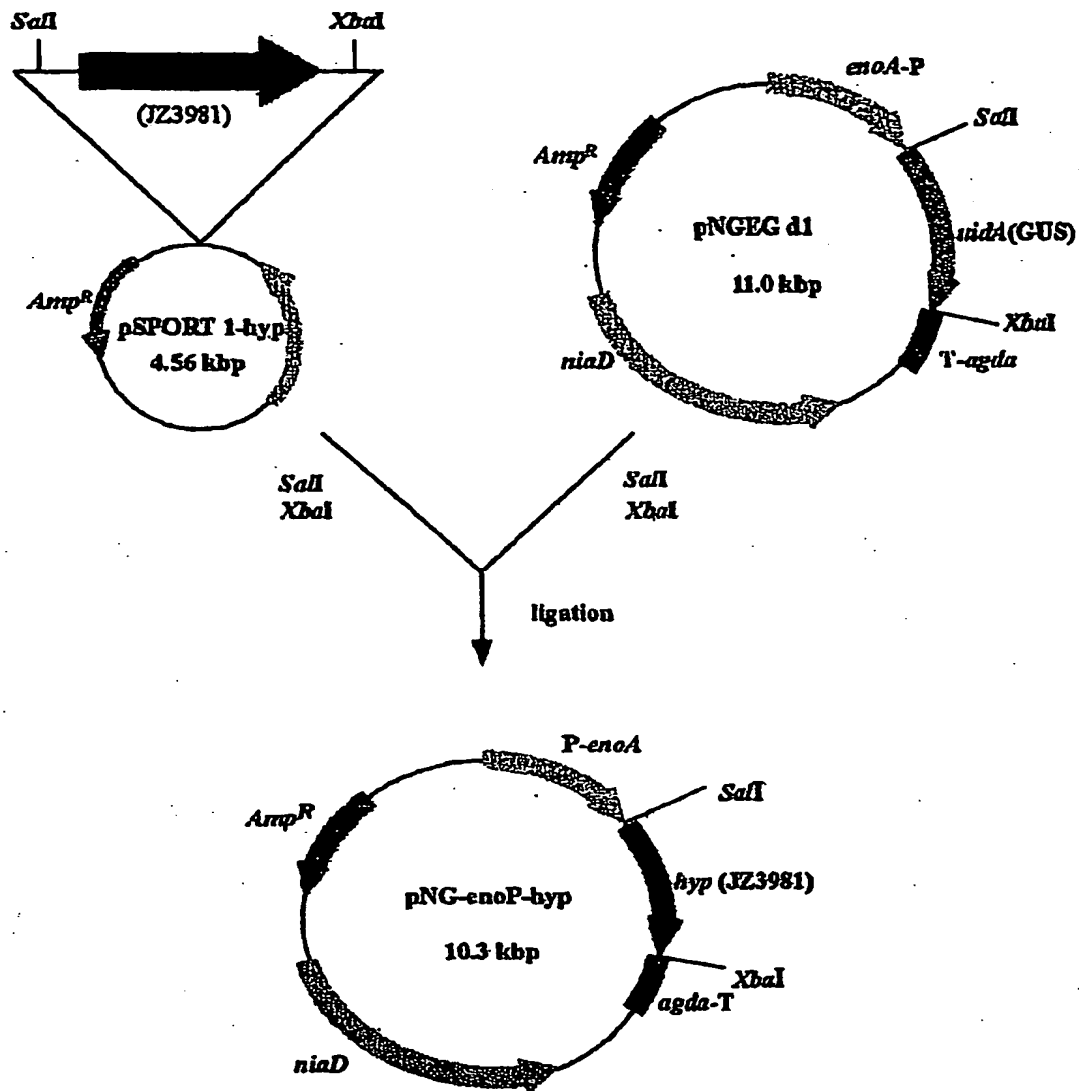
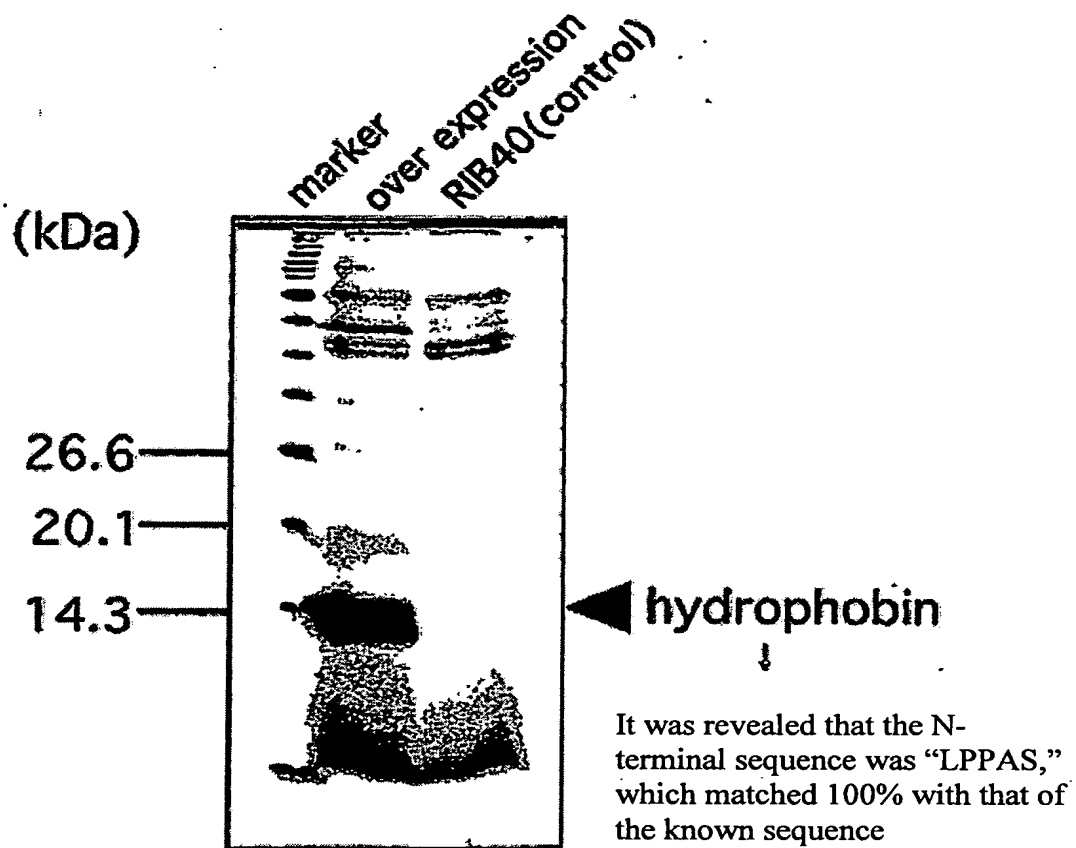


FIG. 7

**FIG. 8**



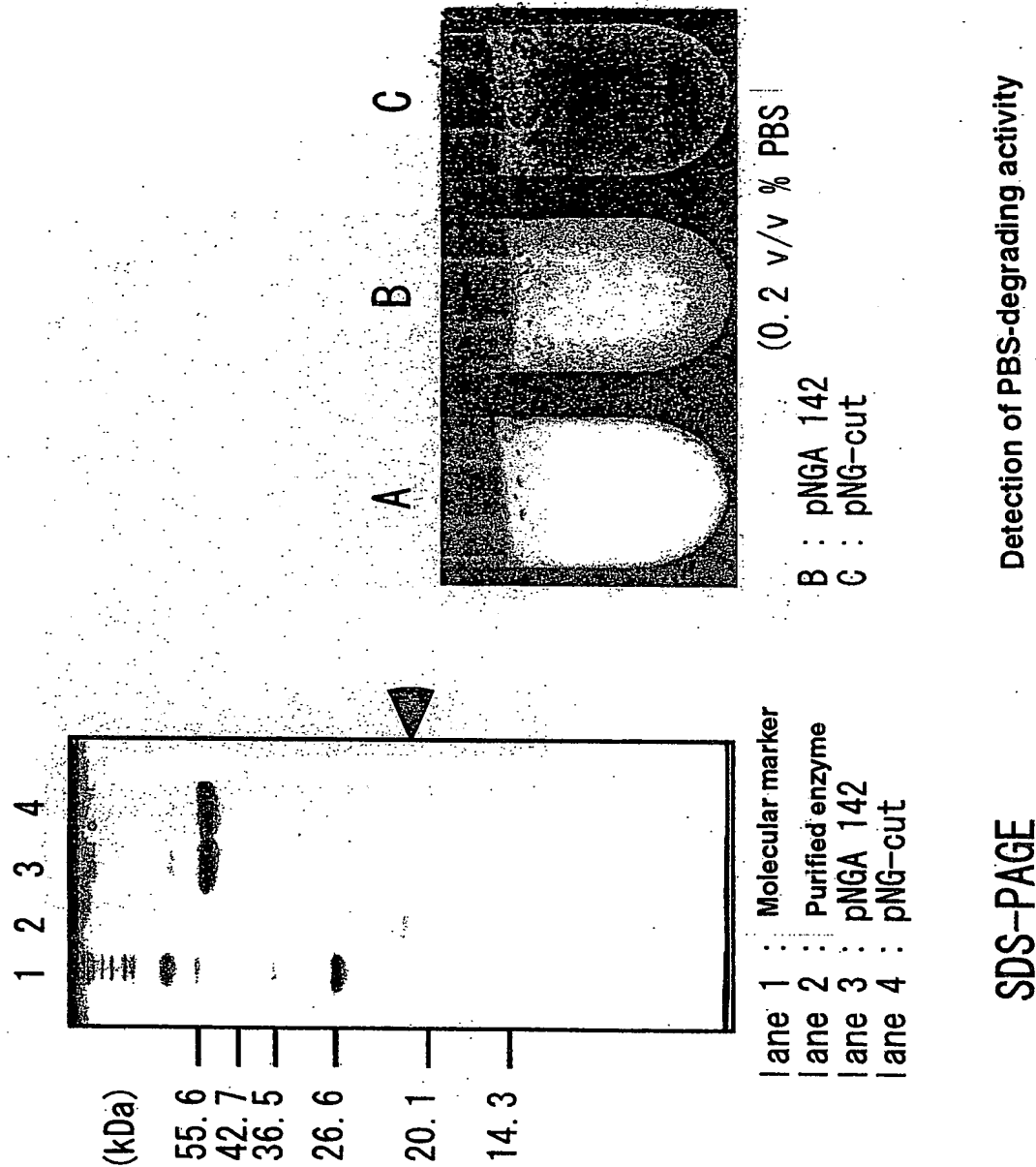


FIG. 9

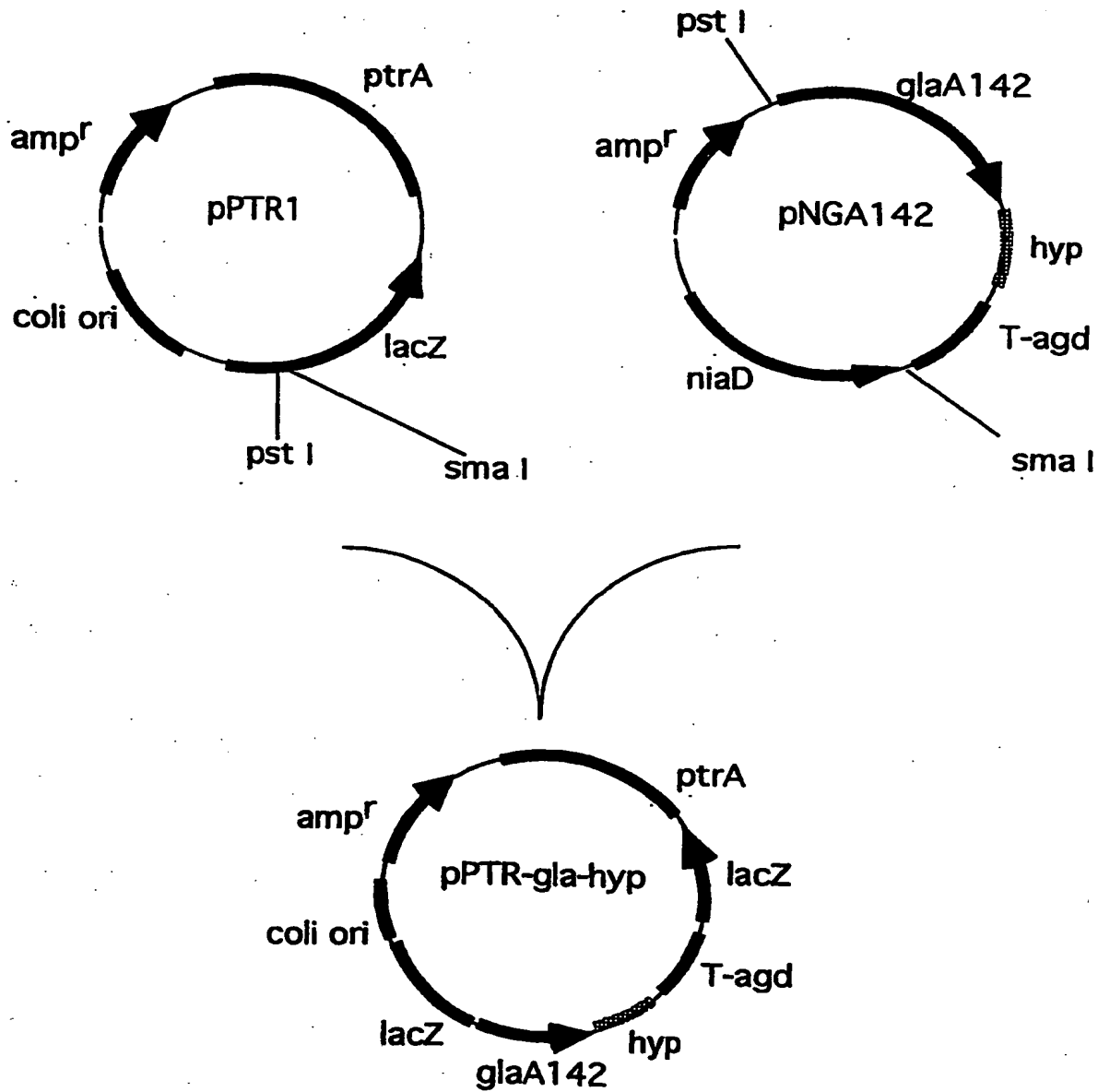
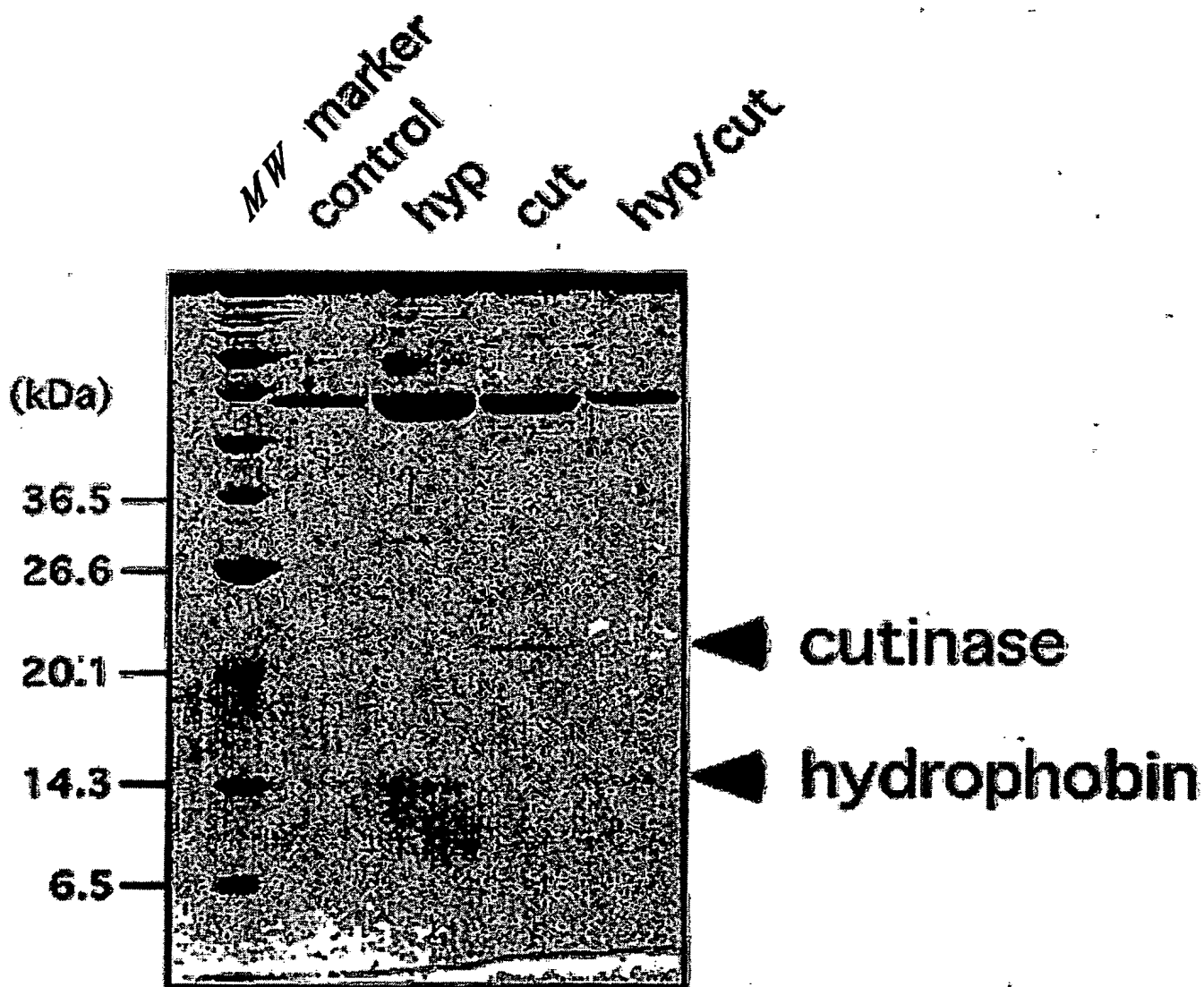
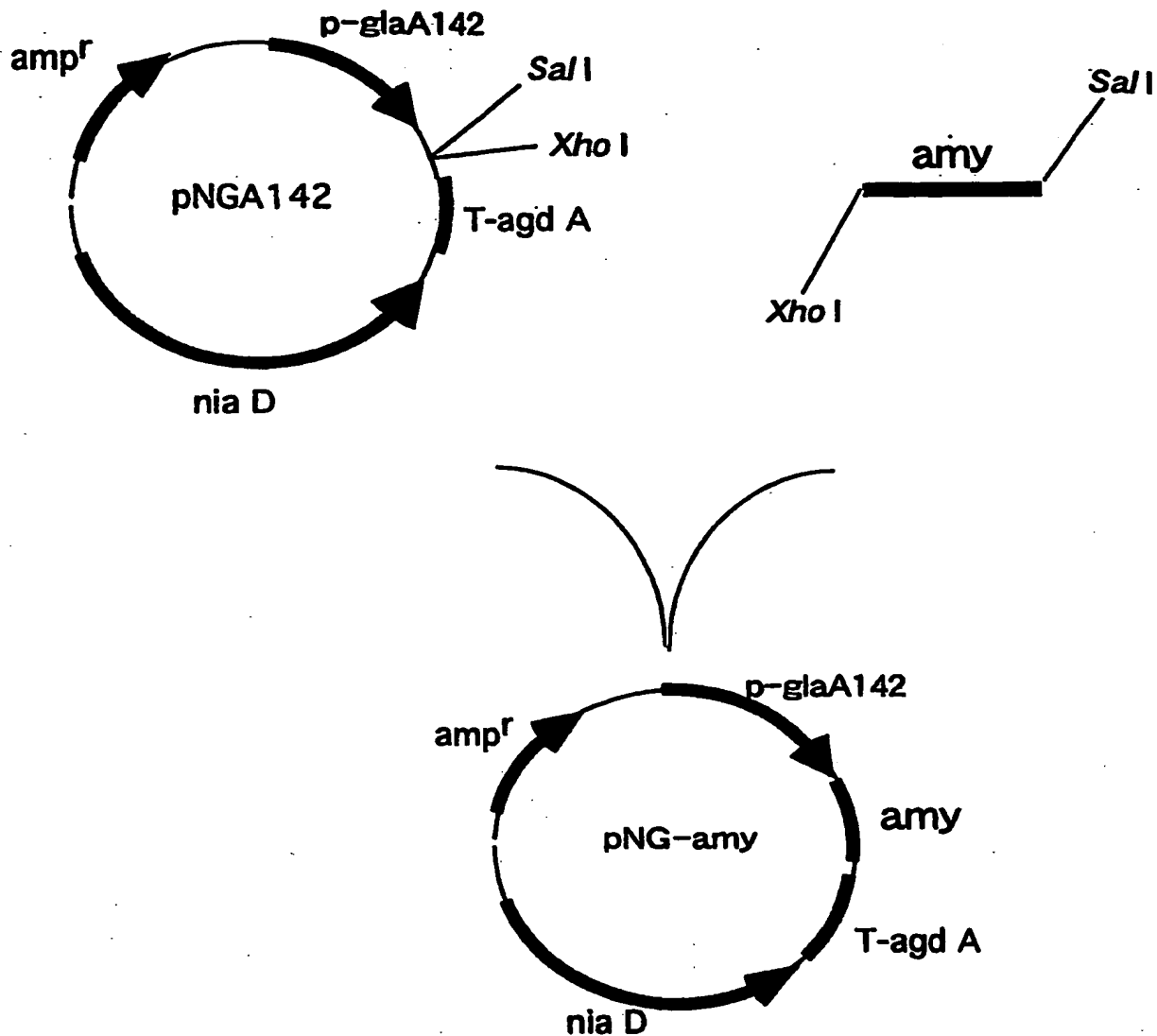


FIG. 10



**FIG. 11**



**FIG. 13**

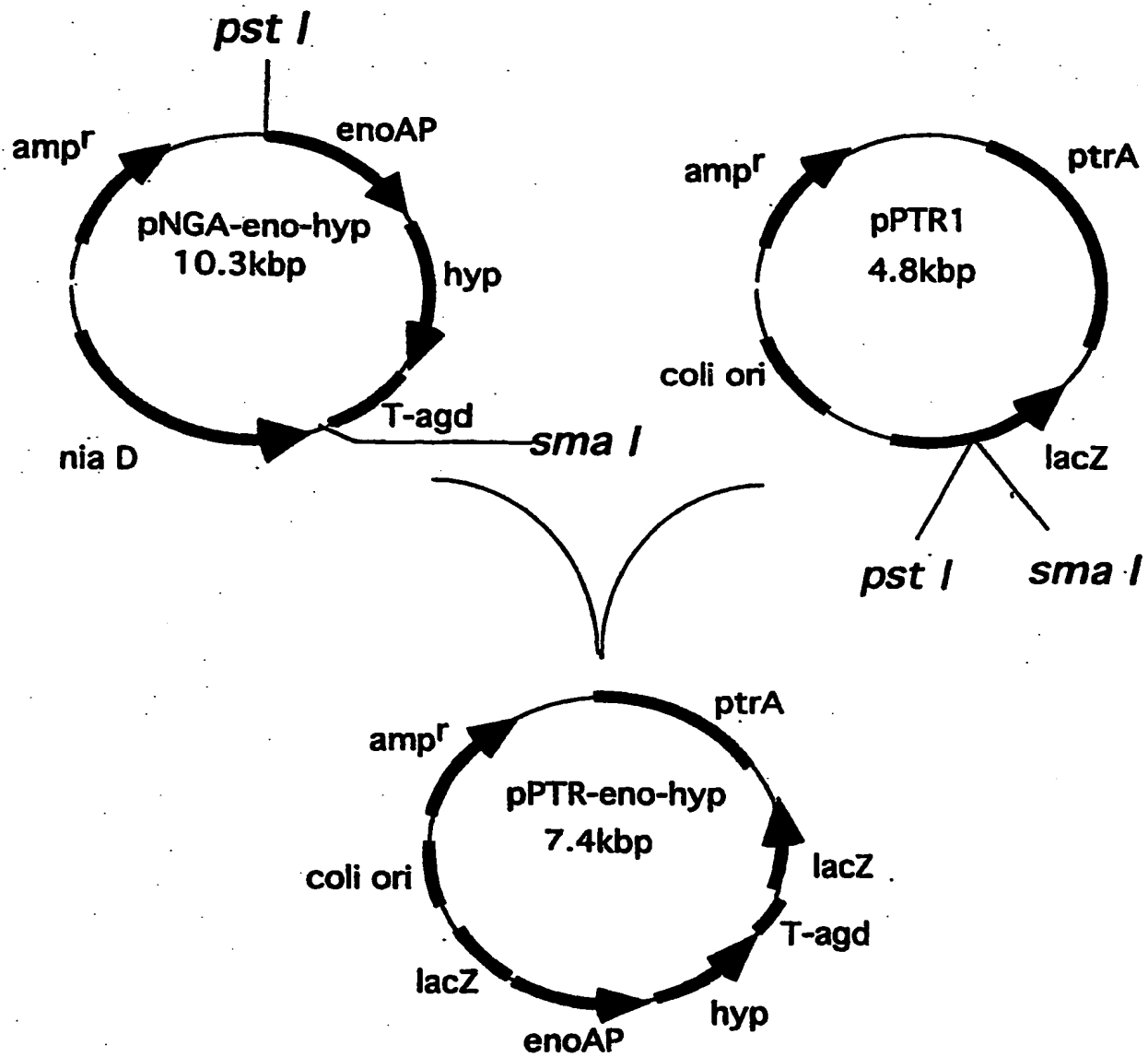


FIG. 12

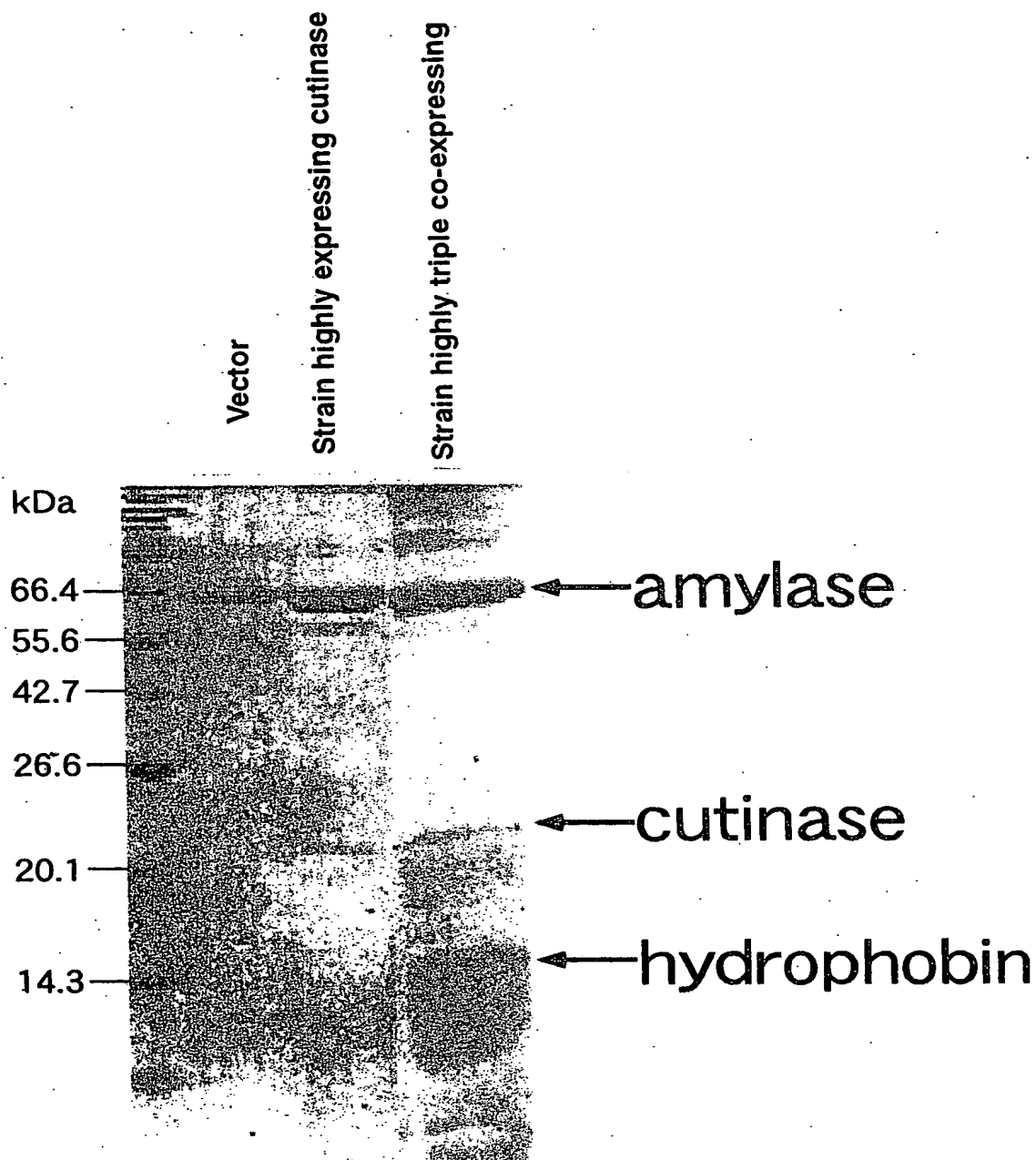
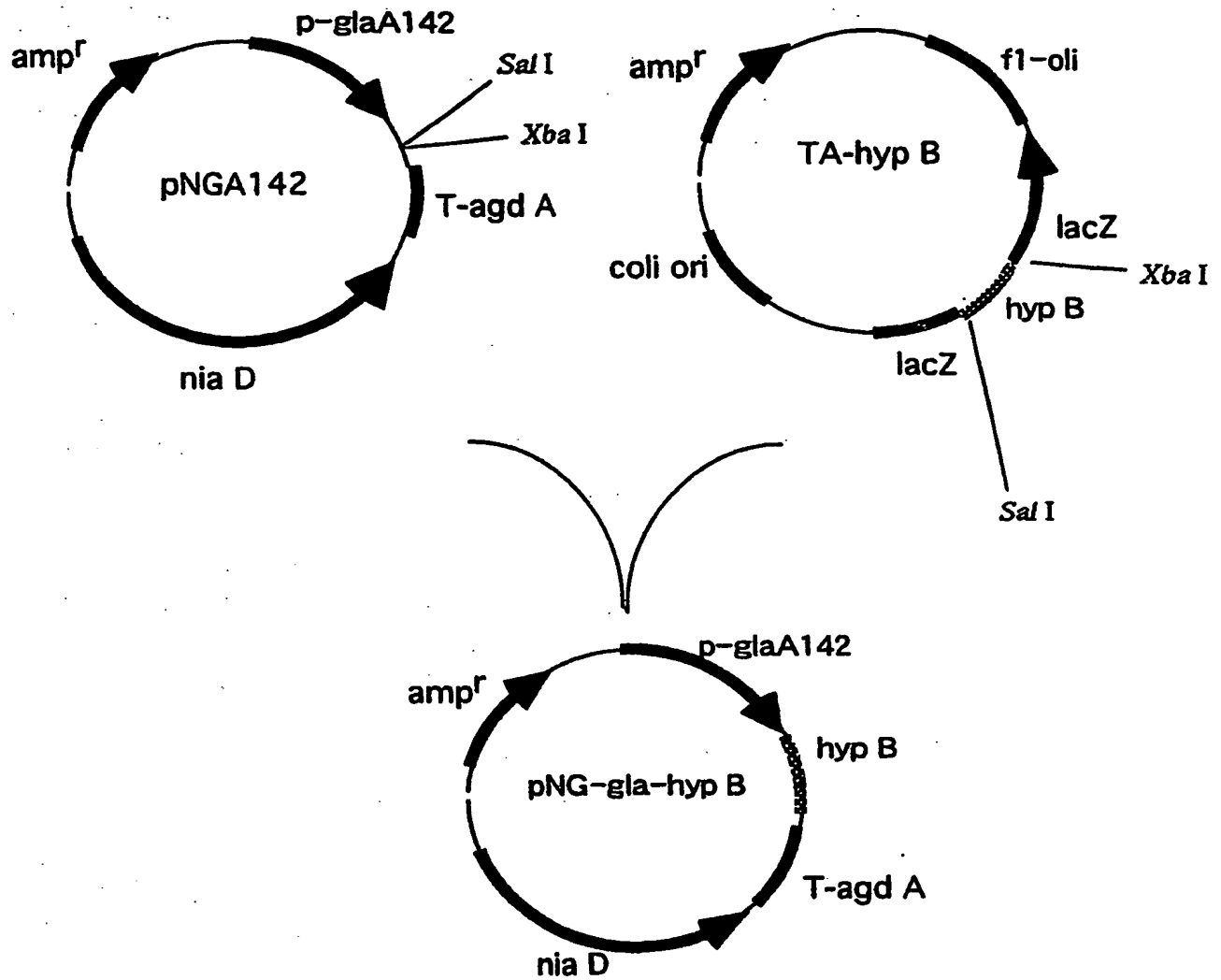
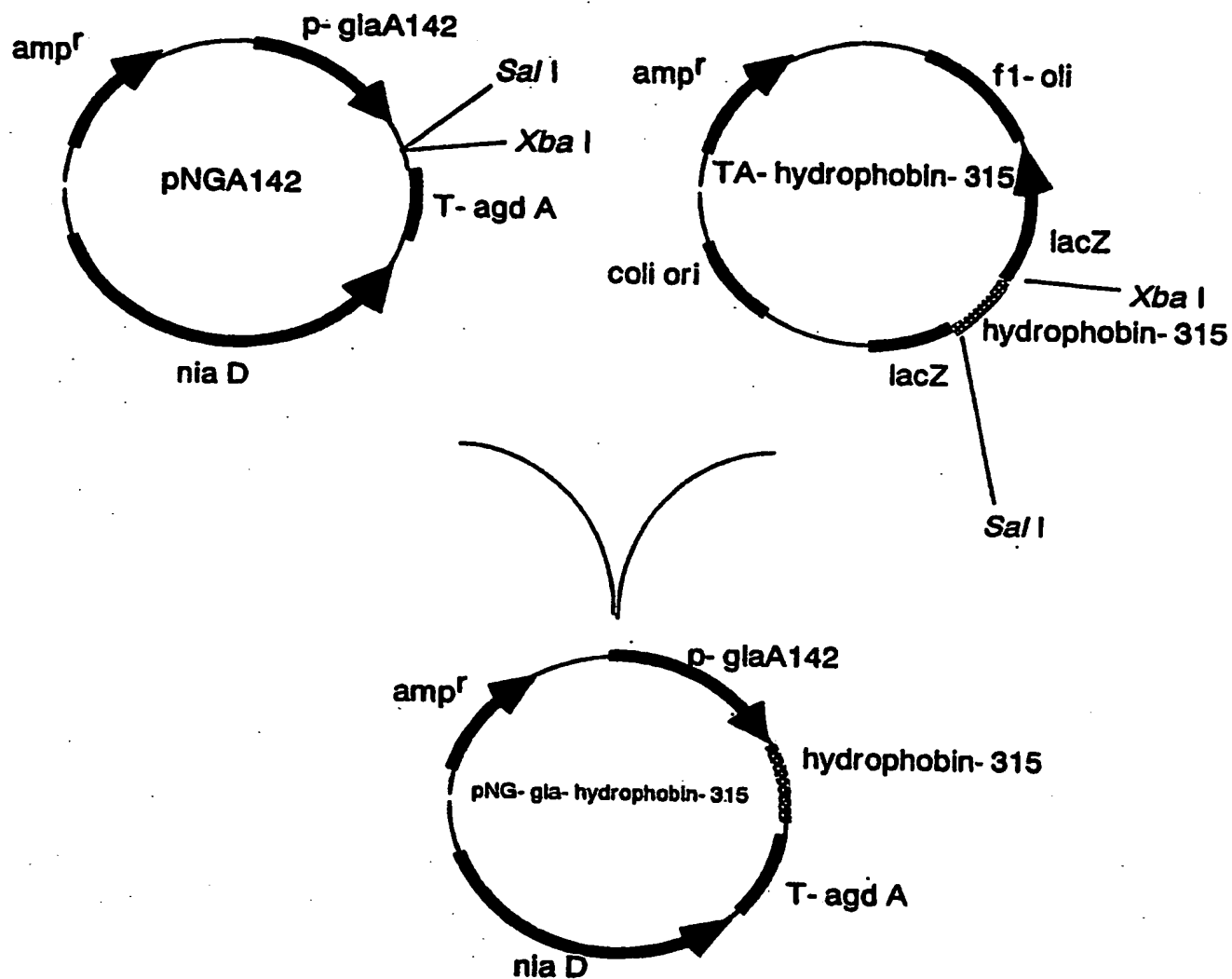


FIG. 14

**FIG. 15**

**FIG. 16**



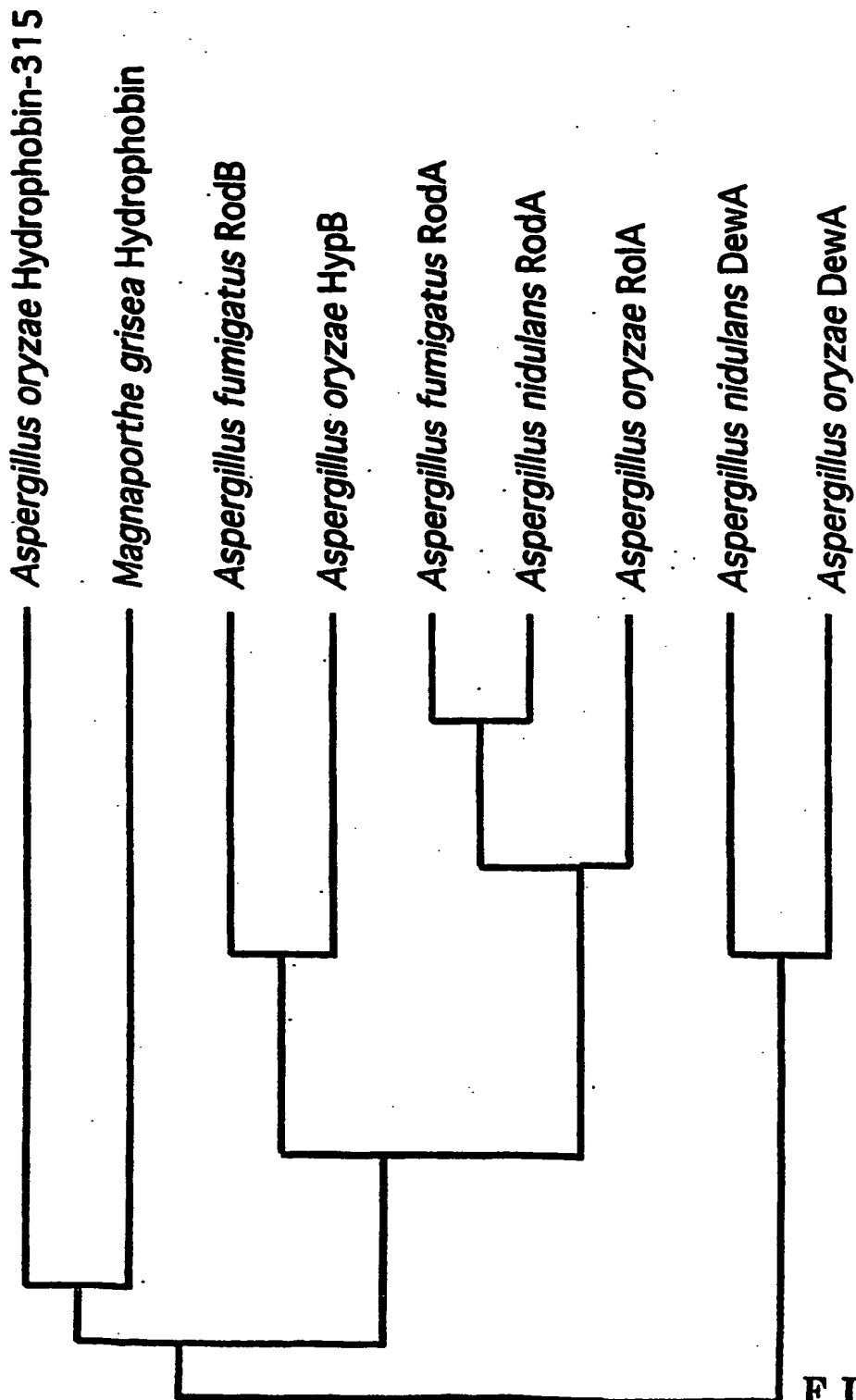


FIG. 17

PBS

2.5  $\mu$ g/mL Purified  
hydrophobin (Rol A)

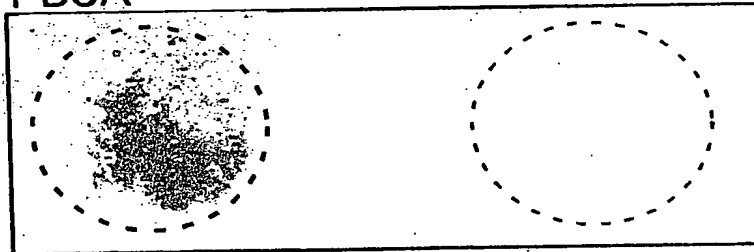
Tris buffer pH8.0

PLA

2.5  $\mu$ g/mL Purified  
hydrophobin (Rol A)

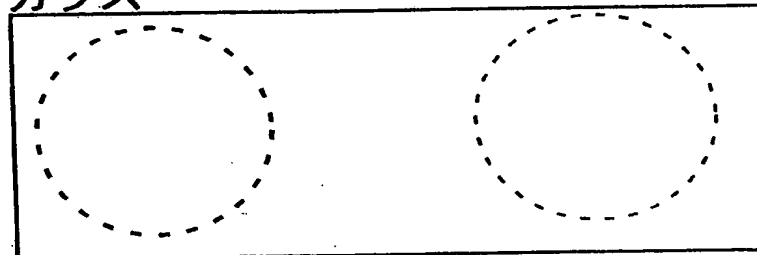
Tris buffer pH8.0

PBSA

2.5  $\mu$ g/mL Purified  
hydrophobin (Rol A)

Tris buffer pH8.0

ガラス

2.5  $\mu$ g/mL Purified  
hydrophobin (Rol A)

Tris buffer pH8.0

FIG. 18

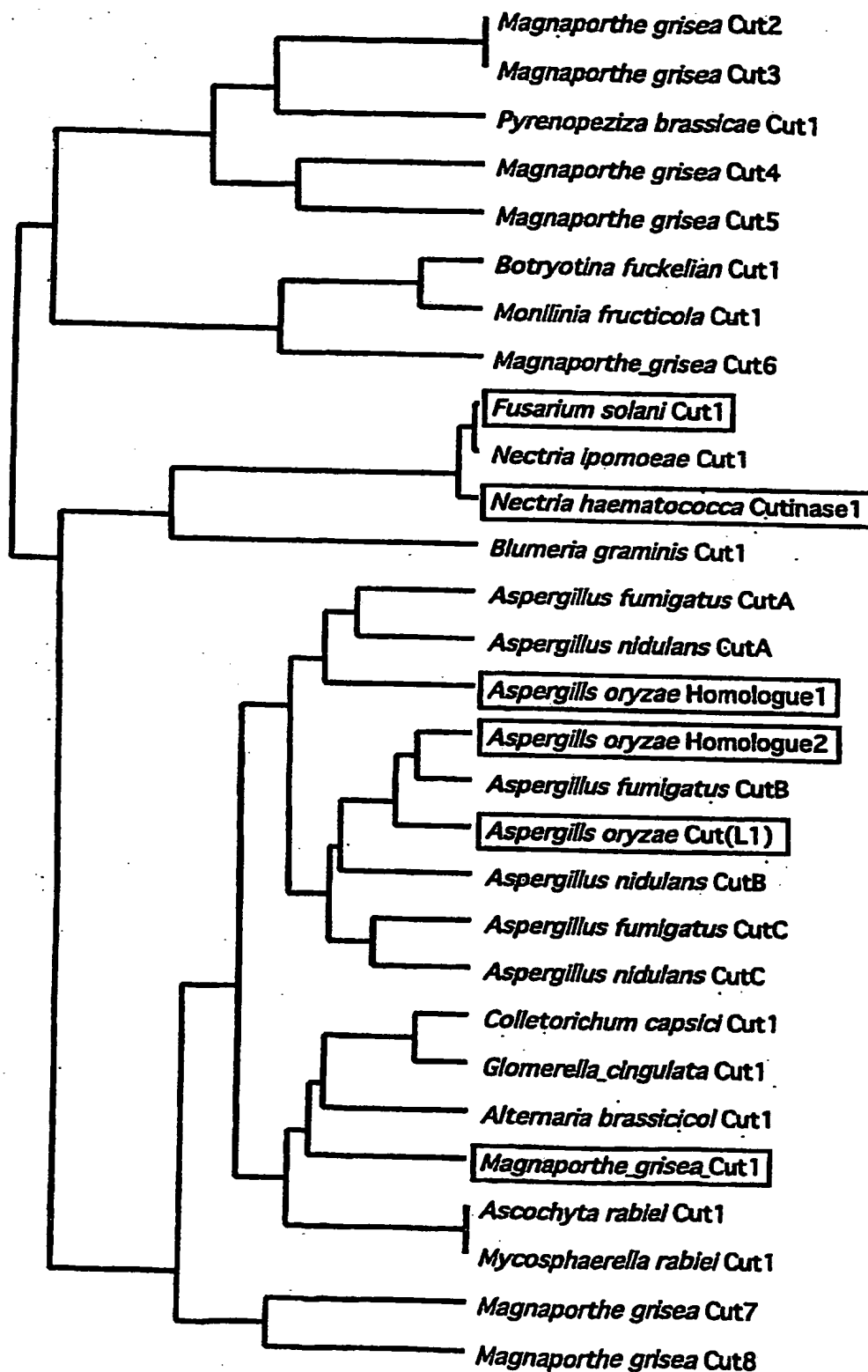
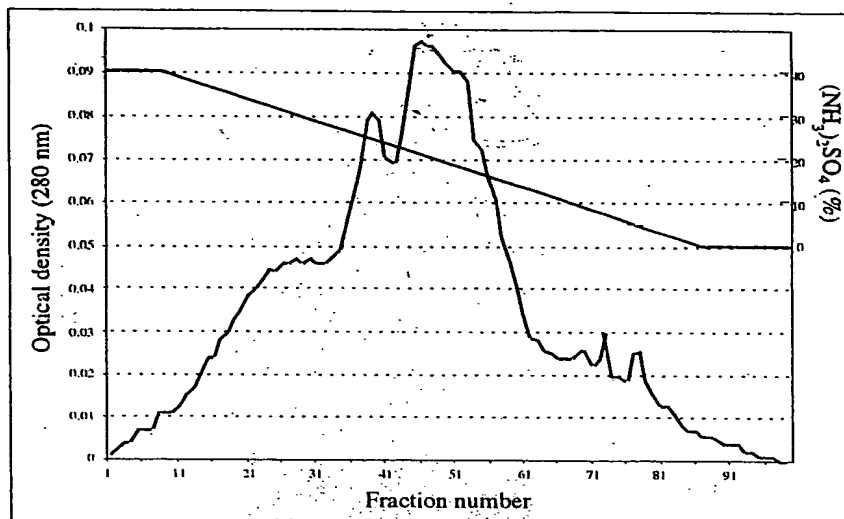
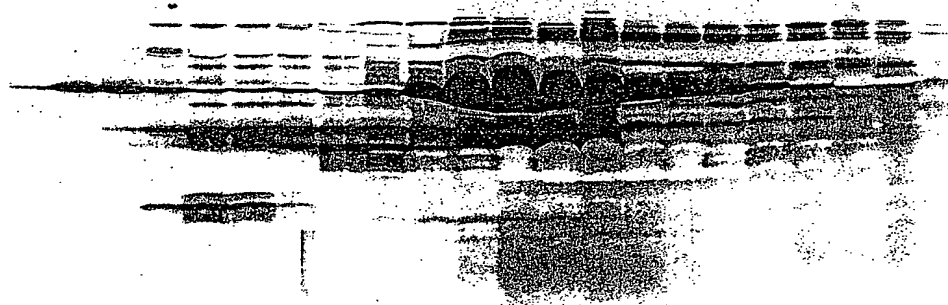


FIG. 19



Protein concentration in an eluate fraction from octylcellulofine column



← 14.3 kDa  
DASAVLADFNLTST

↔  
Fraction 80-90

FIG. 20

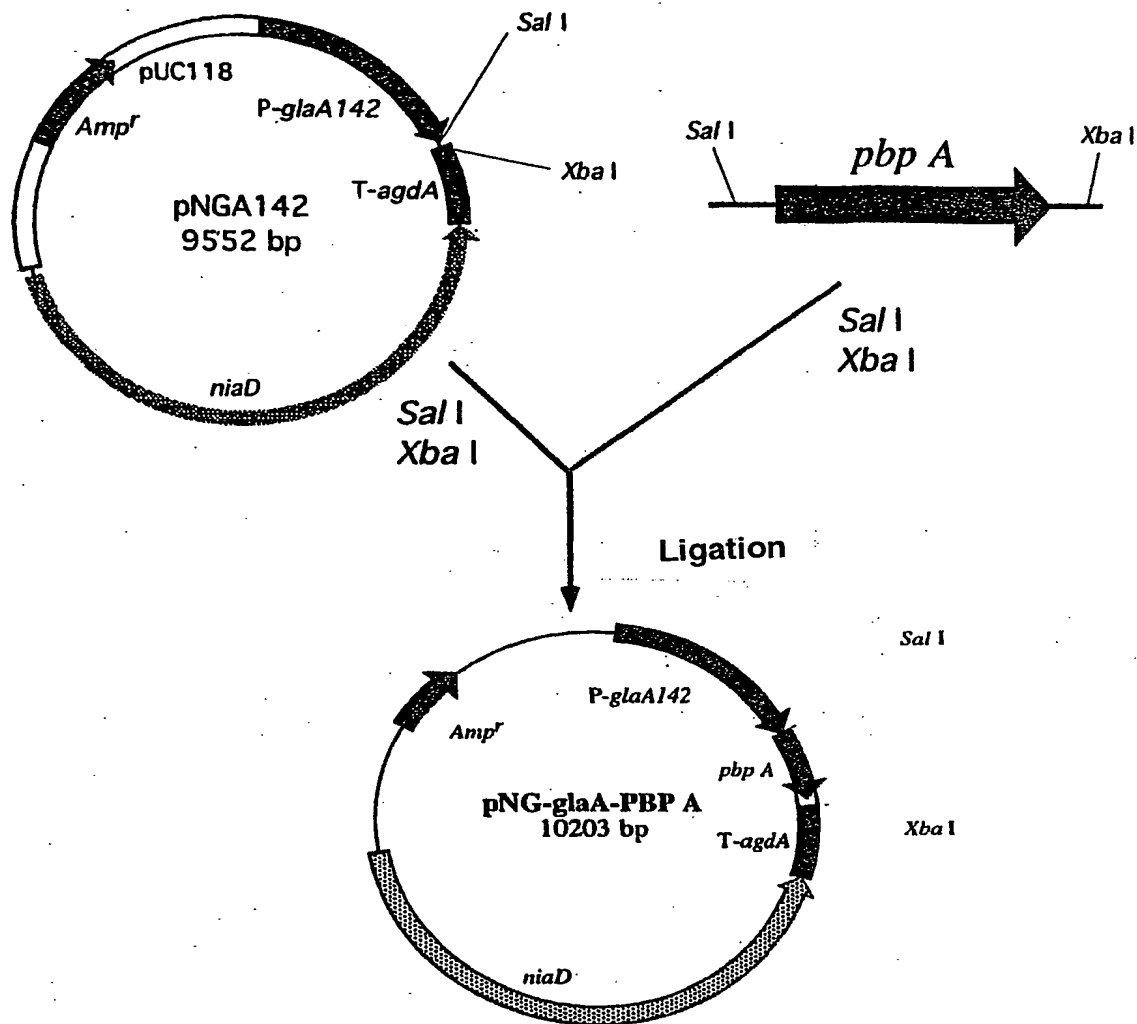
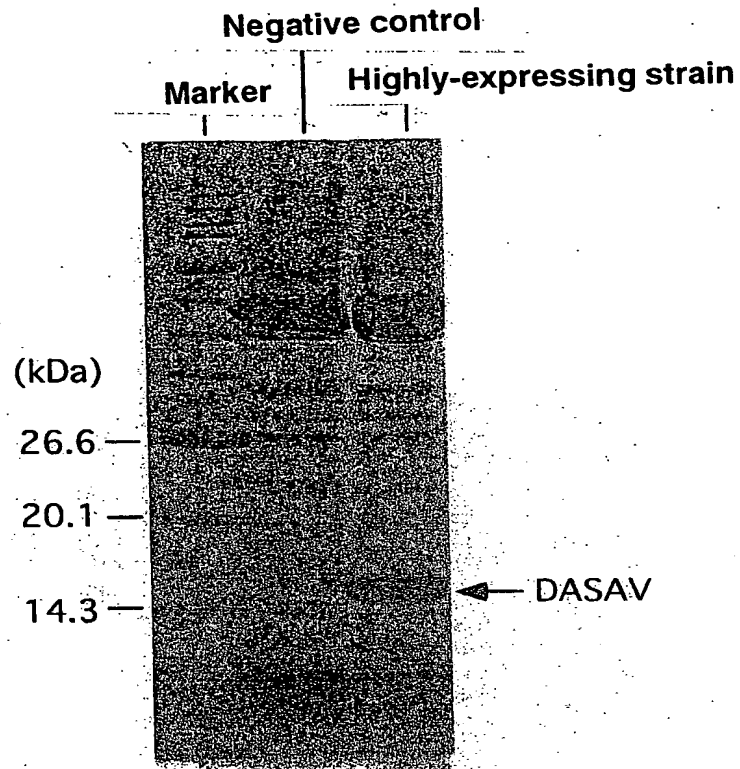


FIG. 21



**FIG. 22**

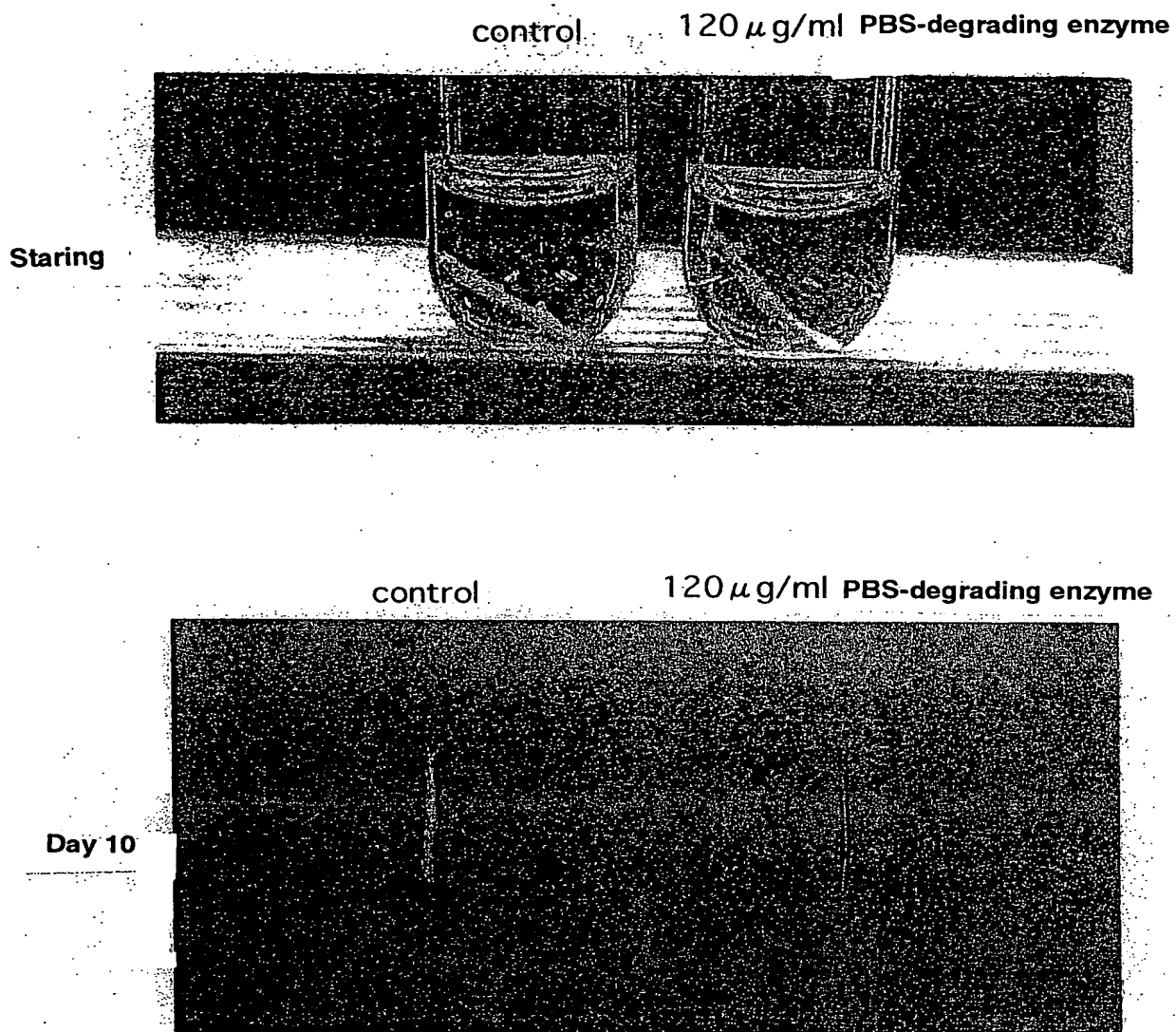


FIG. 26

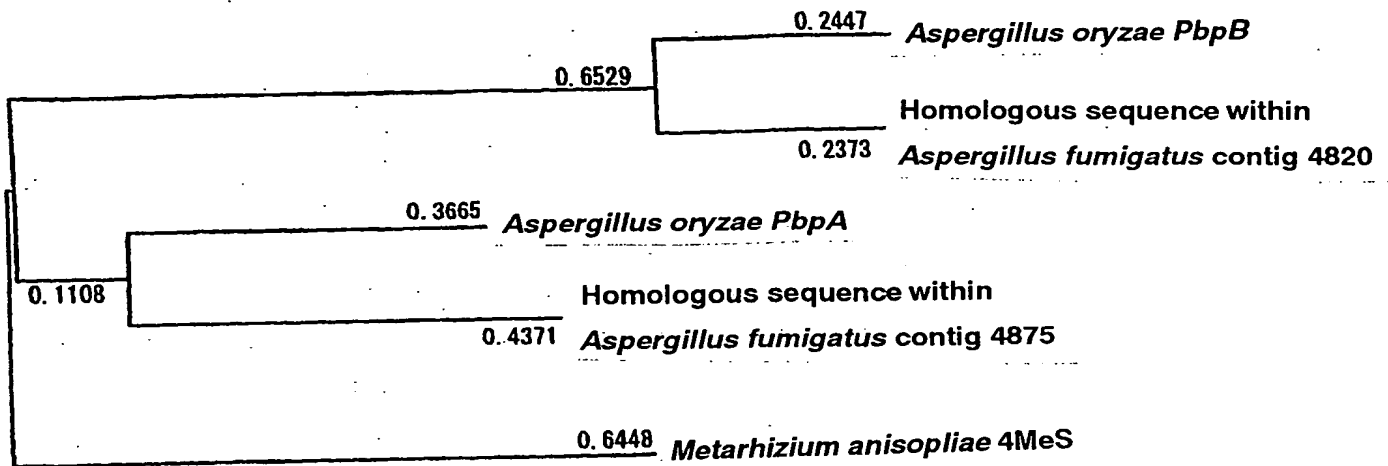


FIG. 25



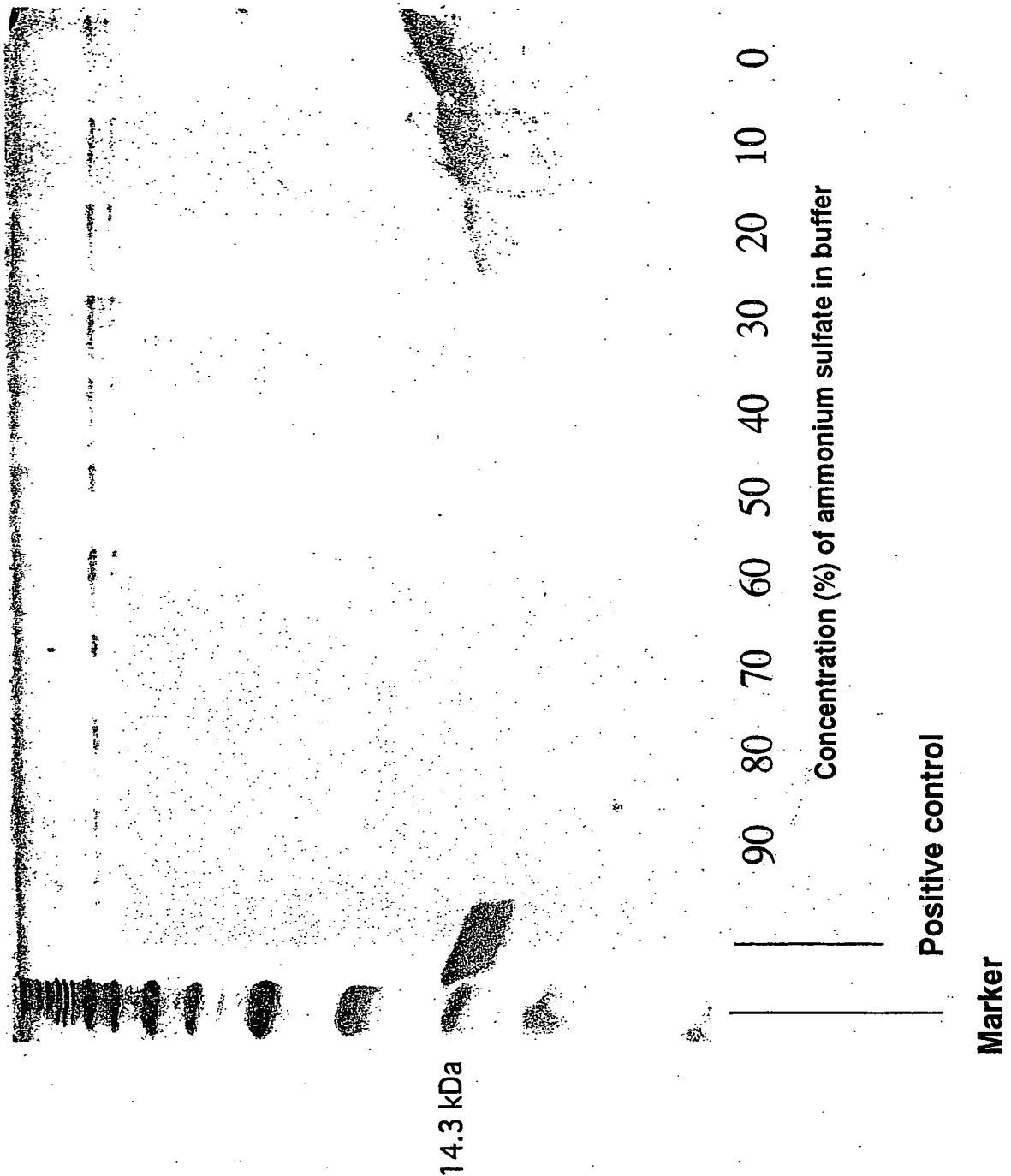


FIG. 24

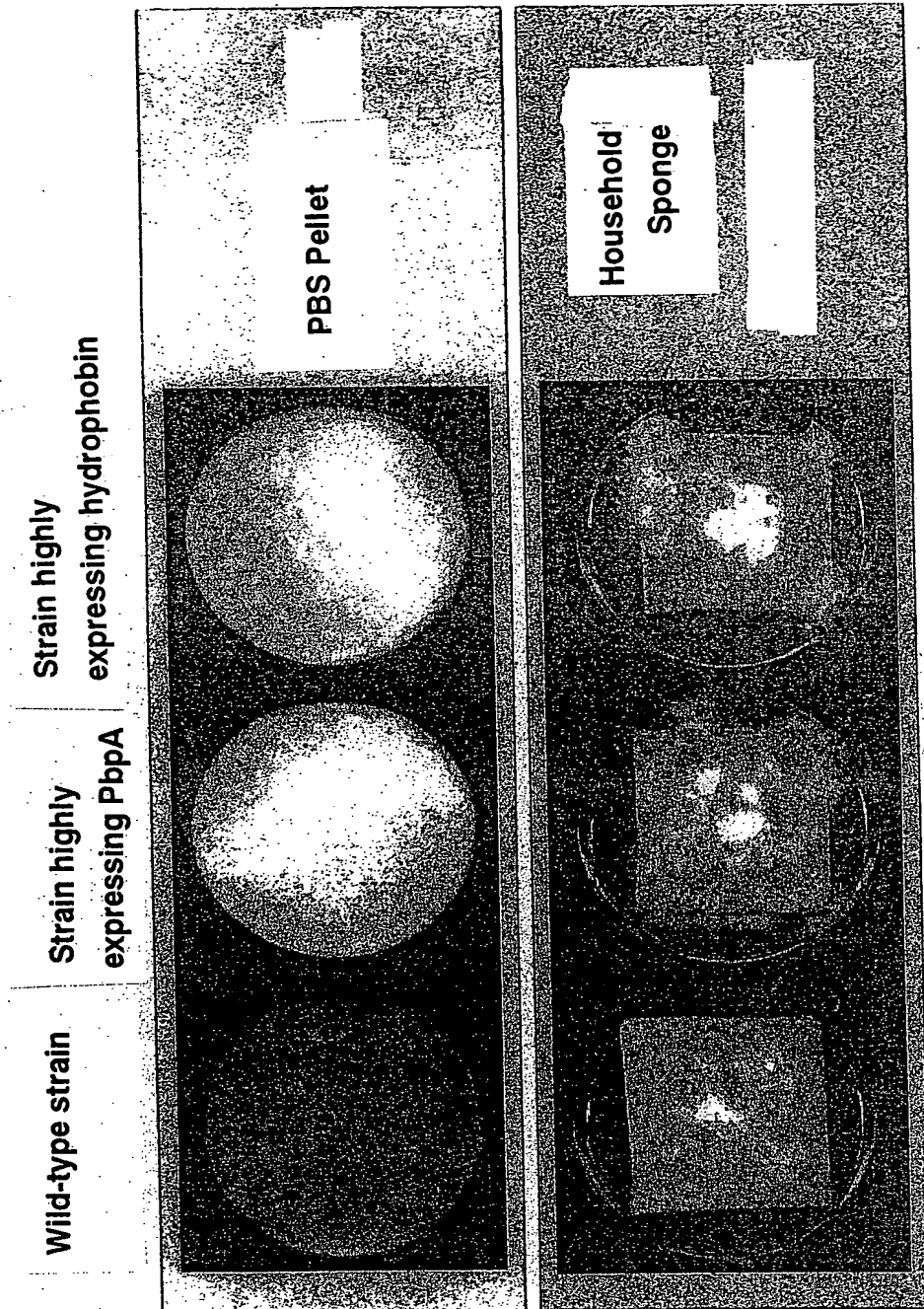
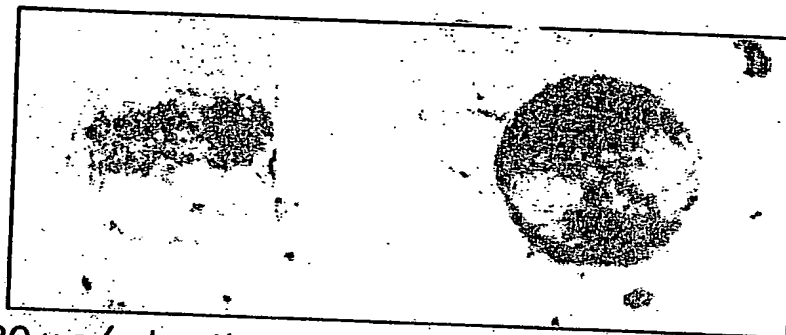
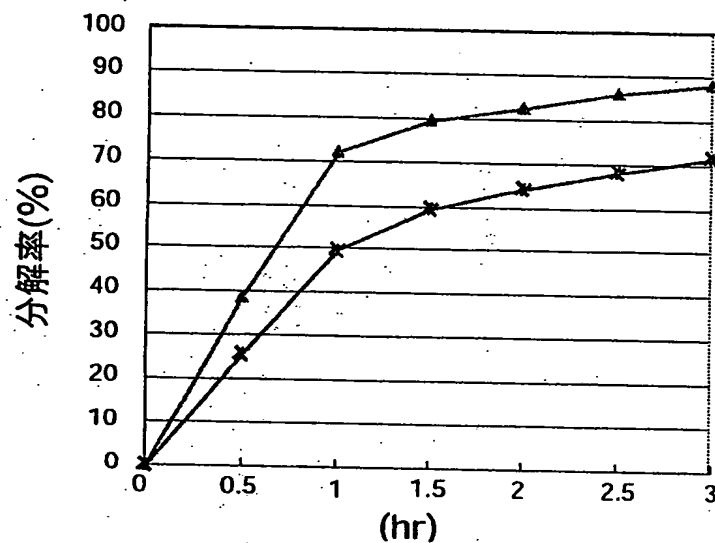


FIG. 23



20  $\mu$ g/ml cutinase    2.5  $\mu$ g/ml RolA + 20  $\mu$ g/ml cutinase

**FIG. 27**



Promoting effect of RoIA for the degradation of PBS

—▲— RoIA (0.025  $\mu$ g/ml) + cutinase (50  $\mu$ g/ml)

—×— cutinase(50  $\mu$ g/ml)

FIG. 28

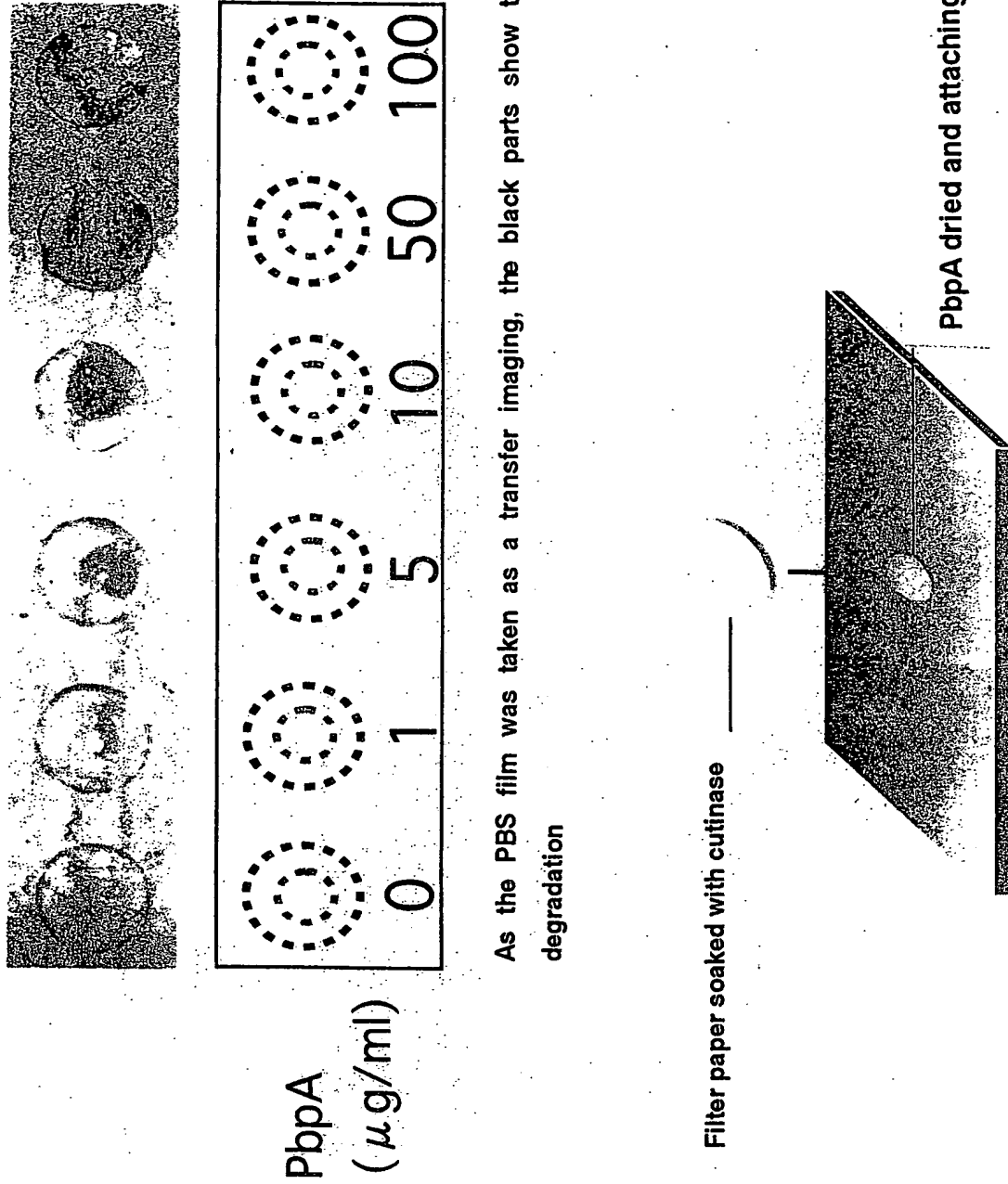


FIG. 29

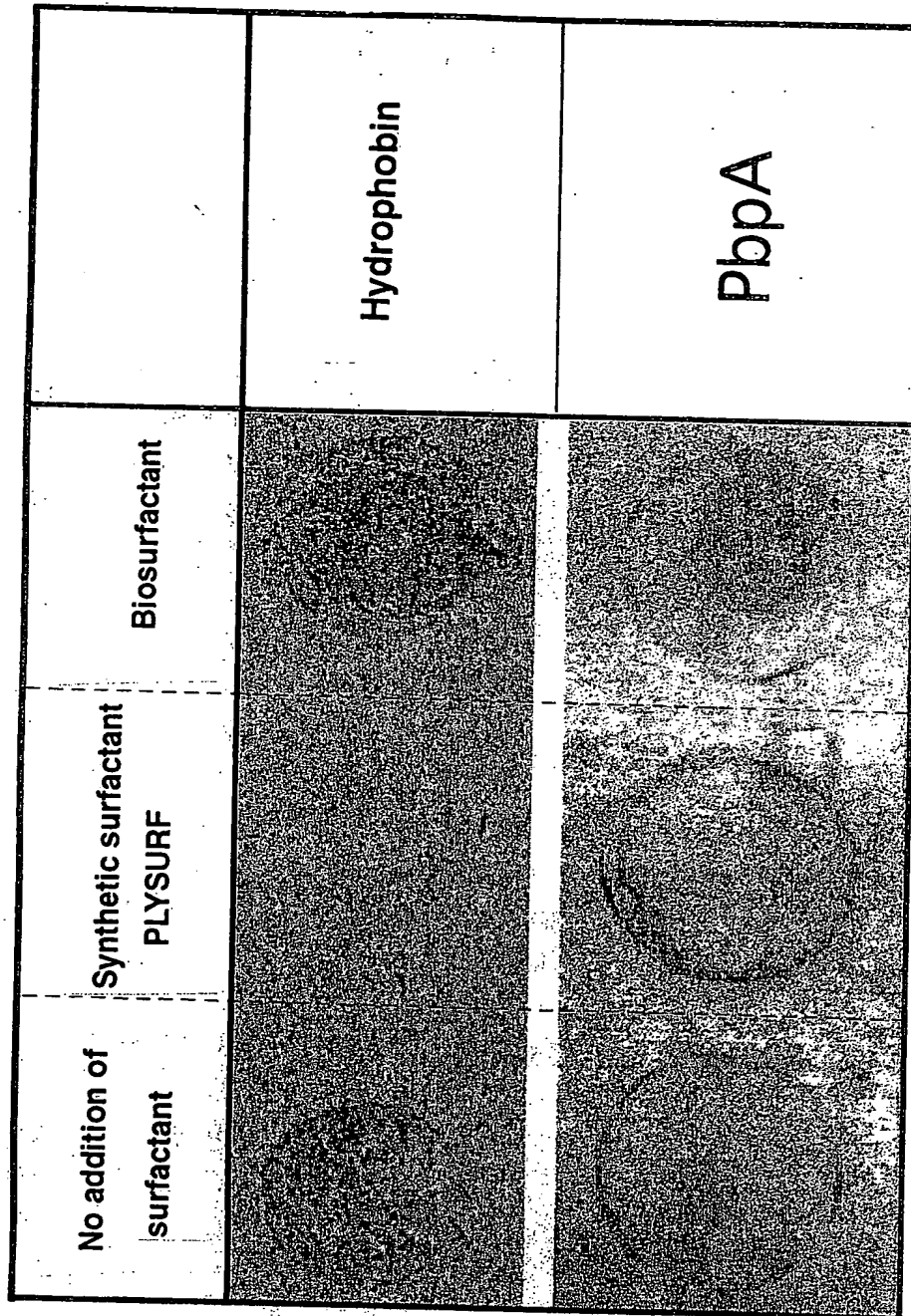


FIG. 30